Piero Marchetti

List of Publications by Year
in descending order

327 papers	28,265 citations	7565 78 h-index	7484 153 g-index
377 all docs	377 docs citations	377 times ranked	39100 citing authors

#	Article	IF	Citations
1	Guidelines for the use and interpretation of assays for monitoring autophagy. Autophagy, 2012, 8, 445-544.	11.0	3,158
2	Poleward shifts in geographical ranges of butterfly species associated with regional warming. Nature, 1999, 399, 579-583.	36.2	1,907
3	Ãœbergangsmetallkatalysierte direkte Arylierungen von (Hetero)Arenen durch Câ€Hâ€Bindungsbruch. Angewandte Chemie, 2009, 121, 9976-10011.	2.1	882
4	Mechanisms by which common variants in the TCF7L2 gene increase risk of type 2 diabetes. Journal of Clinical Investigation, 2007, 117, 2155-2163.	8.2	690
5	Common variant in MTNR1B associated with increased risk of type 2 diabetes and impaired early insulin secretion. Nature Genetics, 2009, 41, 82-88.	20.4	656
6	NEW-ONSET DIABETES AFTER TRANSPLANTATION: 2003 INTERNATIONAL CONSENSUS GUIDELINES1. Transplantation, 2003, 75, SS3-SS24.	1.1	554
7	Coxsackie B4 virus infection of Î² cells and natural killer cell insulitis in recent-onset type 1 diabetic patients. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 5115-5120.	7.6	525
8	Evidence of Î²-Cell Dedifferentiation in Human Type 2 Diabetes. Journal of Clinical Endocrinology and Metabolism, 2016, 101, 1044-1054.	3.6	461
9	The Human Pancreatic Islet Transcriptome: Expression of Candidate Genes for Type 1 Diabetes and the Impact of Pro-Inflammatory Cytokines. PLoS Genetics, 2012, 8, e1002552.	3.4	410
10	Beta Cell Hubs Dictate Pancreatic Islet Responses toÂGlucose. Cell Metabolism, 2016, 24, 389-401.	15.8	389
11	Insulin Independence After Islet Transplantation Into Type I Diabetic Patient. Diabetes, 1990, 39, 515-518.	0.9	359
12	Pancreatic Islets from Type 2 Diabetic Patients Have Functional Defects and Increased Apoptosis That Are Ameliorated by Metformin. Journal of Clinical Endocrinology and Metabolism, 2004, 89, 5535-5541.	3.6	306
13	Infective Endocarditis in the U.S., 1998â€“2009: A Nationwide Study. PLoS ONE, 2013, 8, e60033.	2.5	269
14	Encapsulated islets for diabetes therapy: History, current progress, and critical issues requiring solution. Advanced Drug Delivery Reviews, 2014, 67-68, 35-73.	14.3	269
15	Gene Expression Profiles of Beta-Cell Enriched Tissue Obtained by Laser Capture Microdissection from Subjects with Type 2 Diabetes. PLoS ONE, 2010, 5, e11499.	2.5	265
16	The emerging role of autophagy in the pathophysiology of diabetes mellitus. Autophagy, 2011, 7, 2-11.	11.0	260
17	Guidelines for the treatment and management of newâ€onset diabetes after transplantation¹. Clinical Transplantation, 2005, 19, 291-298.	1.6	229
18	Lipotoxicity disrupts incretin-regulated human Î² cell connectivity. Journal of Clinical Investigation, 2013, 123, 4182-4194.	8.2	208

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19	Glucagon-Like Peptide-1 Agonists Protect Pancreatic Î²-Cells From Lipotoxic Endoplasmic Reticulum Stress Through Upregulation of BiP and JunB. Diabetes, 2009, 58, 2851-2862.	0.9	203
20	Conventional and Neo-antigenic Peptides Presented by Î² Cells Are Targeted by Circulating NaÃ¯ve CD8+ T Cells in Type 1 Diabetic and Healthy Donors. Cell Metabolism, 2018, 28, 946-960.e6.	15.8	191
21	Cytokines induce endoplasmic reticulum stress in human, rat and mouse beta cells via different mechanisms. Diabetologia, 2015, 58, 2307-2316.	6.5	188
22	RESULTS OF OUR FIRST NINE INTRAPORTAL ISLET ALLOGRAFTS IN TYPE 1, INSULIN-DEPENDENT DIABETIC PATIENTS. Transplantation, 1991, 51, 76-85.	1.1	185
23	Peripheral and Islet Interleukin-17 Pathway Activation Characterizes Human Autoimmune Diabetes and Promotes Cytokine-Mediated Î²-Cell Death. Diabetes, 2011, 60, 2112-2119.	0.9	185
24	Reduction of Circulating Neutrophils Precedes and Accompanies Type 1 Diabetes. Diabetes, 2013, 62, 2072-2077.	0.9	185
25	Targeting GLP-1 receptor trafficking to improve agonist efficacy. Nature Communications, 2018, 9, 1602.	13.2	185
26	Multilayer Nanoencapsulation. New Approach for Immune Protection of Human Pancreatic Islets. Nano Letters, 2006, 6, 1933-1939.	9.5	179
27	SARS-CoV-2 Receptor Angiotensin I-Converting Enzyme Type 2 (ACE2) Is Expressed in Human Pancreatic Î²-Cells and in the Human Pancreas Microvasculature. Frontiers in Endocrinology, 2020, 11, 596898.	3.5	159
28	The E23K Variant of KCNJ11 Encoding the Pancreatic Î²-Cell Adenosine 5â€²-Triphosphate-Sensitive Potassium Channel Subunit Kir6.2 Is Associated with an Increased Risk of Secondary Failure to Sulfonylurea in Patients with Type 2 Diabetes. Journal of Clinical Endocrinology and Metabolism, 2006, 91, 2334-2339.	3.6	158
29	PTPN2, a Candidate Gene for Type 1 Diabetes, Modulates Interferon-Î³â€“Induced Pancreatic Î²-Cell Apoptosis. Diabetes, 2009, 58, 1283-1291.	0.9	156
30	GLIS3, a Susceptibility Gene for Type 1 and Type 2 Diabetes, Modulates Pancreatic Beta Cell Apoptosis via Regulation of a Splice Variant of the BH3-Only Protein Bim. PLoS Genetics, 2013, 9, e1003532.	3.4	152
31	Interferon-Î± mediates human beta cell HLA class I overexpression, endoplasmic reticulum stress and apoptosis, three hallmarks of early human type 1 diabetes. Diabetologia, 2017, 60, 656-667.	6.5	145
32	PDL1 is expressed in the islets of people with type 1 diabetes and is up-regulated by interferons-Î± and-Î³ via IRF1 induction. EBioMedicine, 2018, 36, 367-375.	6.0	145
33	Systems biology of the IMIDIA biobank from organ donors and pancreatectomised patients defines a novel transcriptomic signature of islets from individuals with type 2 diabetes. Diabetologia, 2018, 61, 641-657.	6.5	140
34	Leader Î²-cells coordinate Ca2+ dynamics across pancreatic islets in vivo. Nature Metabolism, 2019, 1, 615-629.	11.4	139
35	Class II Phosphoinositide 3-Kinase Regulates Exocytosis of Insulin Granules in Pancreatic Î² Cells. Journal of Biological Chemistry, 2011, 286, 4216-4225.	3.5	134
36	ADCY5 Couples Glucose to Insulin Secretion in Human Islets. Diabetes, 2014, 63, 3009-3021.	0.9	131

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37	PTPN2, a Candidate Gene for Type 1 Diabetes, Modulates Pancreatic Î²-Cell Apoptosis via Regulation of the BH3-Only Protein Bim. Diabetes, 2011, 60, 3279-3288.	0.9	129
38	Glucoseâ€•and arginineâ€•induced insulin secretion by human pancreatic Î²â€•cells: the role of HERG K + channels in firing and release. FASEB Journal, 2000, 14, 2601-2610.	0.5	128
39	MicroRNA-124a is hyperexpressed in type 2 diabetic human pancreatic islets and negatively regulates insulin secretion. Acta Diabetologica, 2015, 52, 523-530.	2.6	128
40	Encapsulation of pancreatic islets for transplantation in diabetes: the untouchable islets. Trends in Molecular Medicine, 2002, 8, 363-366.	7.1	127
41	The impact of proinflammatory cytokines on the Î²-cell regulatory landscape provides insights into the genetics of type 1 diabetes. Nature Genetics, 2019, 51, 1588-1595.	20.4	126
42	Death Protein 5 and p53-Upregulated Modulator of Apoptosis Mediate the Endoplasmic Reticulum Stressâ€“Mitochondrial Dialog Triggering Lipotoxic Rodent and Human Î²-Cell Apoptosis. Diabetes, 2012, 61, 2763-2775.	0.9	119
43	Palmitate Activates Autophagy in INS-1E Î²-Cells and in Isolated Rat and Human Pancreatic Islets. PLoS ONE, 2012, 7, e36188.	2.5	119
44	Are we overestimating the loss of beta cells in type 2 diabetes?. Diabetologia, 2014, 57, 362-365.	6.5	118
45	Loss-of-Function Mutations in APPL1 in Familial Diabetes Mellitus. American Journal of Human Genetics, 2015, 97, 177-185.	6.1	117
46	New-onset diabetes after liver transplantation: From pathogenesis to management. Liver Transplantation, 2005, 11, 612-620.	2.8	115
47	Selective Actions of Mitochondrial Fission/Fusion Genes on Metabolism-Secretion Coupling in Insulin-releasing Cells. Journal of Biological Chemistry, 2008, 283, 33347-33356.	3.5	112
48	Cx36 makes channels coupling human pancreatic Î²-cells, and correlates with insulin expression. Human Molecular Genetics, 2009, 18, 428-439.	3.0	108
49	p53 Up-regulated Modulator of Apoptosis (PUMA) Activation Contributes to Pancreatic Î²-Cell Apoptosis Induced by Proinflammatory Cytokines and Endoplasmic Reticulum Stress. Journal of Biological Chemistry, 2010, 285, 19910-19920.	3.5	108
50	Optical control of insulin release using a photoswitchable sulfonylurea. Nature Communications, 2014, 5, 5116.	13.2	108
51	Visible light-driven water oxidation using a covalently-linked molecular catalystâ€“sensitizer dyad assembled on a TiO₂electrode. Chemical Science, 2016, 7, 1430-1439.	7.8	106
52	tRNA Methyltransferase Homolog Gene TRMT10A Mutation in Young Onset Diabetes and Primary Microcephaly in Humans. PLoS Genetics, 2013, 9, e1003888.	3.4	105
53	Pilot, Open, Randomized, Prospective Trial for Normothermic Machine Perfusion Evaluation in Liver Transplantation From Older Donors. Liver Transplantation, 2019, 25, 436-449.	2.8	105
54	PAX3 and PAX7 exhibit conserved cis-acting transcription repression domains and utilize a common gain of function mechanism in alveolar rhabdomyosarcoma. Oncogene, 1999, 18, 4348-4356.	5.9	104

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55	Mitochondrial and ER-Targeted eCALWY Probes Reveal High Levels of Free Zn²⁺. ACS Chemical Biology, 2014, 9, 2111-2120.	3.6	104
56	TYK2, a Candidate Gene for Type 1 Diabetes, Modulates Apoptosis and the Innate Immune Response in Human Pancreatic Î²-Cells. Diabetes, 2015, 64, 3808-3817.	0.9	104
57	New-onset diabetes after transplantation. Journal of Heart and Lung Transplantation, 2004, 23, S194-S201.	0.6	101
58	An overview of pancreatic beta-cell defects in human type 2 diabetes: Implications for treatment. Regulatory Peptides, 2008, 146, 4-11.	1.8	100
59	The Myokine Irisin Is Released in Response to Saturated Fatty Acids and Promotes Pancreatic Î²-Cell Survival and Insulin Secretion. Diabetes, 2017, 66, 2849-2856.	0.9	100
60	Cytokines Tumor Necrosis Factor-Î± and Interferon-Î³ Induce Pancreatic Î²-Cell Apoptosis through STAT1-mediated Bim Protein Activation. Journal of Biological Chemistry, 2011, 286, 39632-39643.	3.5	99
61	Age- and diet-dependent requirement of DJ-1 for glucose homeostasis in mice with implications for human type 2 diabetes. Journal of Molecular Cell Biology, 2012, 4, 221-230.	3.3	97
62	BACH2, a Candidate Risk Gene for Type 1 Diabetes, Regulates Apoptosis in Pancreatic Î²-Cells via JNK1 Modulation and Crosstalk With the Candidate Gene PTPN2. Diabetes, 2014, 63, 2516-2527.	0.9	96
63	Meta-analysis and functional effects of the SLC30A8 rs13266634 polymorphism on isolated human pancreatic islets. Molecular Genetics and Metabolism, 2010, 100, 77-82.	2.2	92
64	Effects of pancreas-kidney transplantation on diabetic retinopathy. Transplant International, 2005, 18, 619-622.	1.8	91
65	An integrated multi-omics approach identifies the landscape of interferon-Î±-mediated responses of human pancreatic beta cells. Nature Communications, 2020, 11, 2584.	13.2	91
66	The common Arg 972 polymorphism in insulin receptor substrateâ€1 causes apoptosis of human pancreatic islets. FASEB Journal, 2001, 15, 22-24.	0.5	89
67	MicroRNAs miR-23a-3p, miR-23b-3p, and miR-149-5p Regulate the Expression of Proapoptotic BH3-Only Proteins DP5 and PUMA in Human Pancreatic Î²-Cells. Diabetes, 2017, 66, 100-112.	0.9	89
68	mTORC1-to-AMPK switching underlies Î² cell metabolic plasticity during maturation and diabetes. Journal of Clinical Investigation, 2019, 129, 4124-4137.	8.2	87
69	Central role and mechanisms of Î²â€cell dysfunction and death in friedreich ataxiaâ€“associated diabetes. Annals of Neurology, 2012, 72, 971-982.	5.8	86
70	Pleiotropic Effects of GIP on Islet Function Involve Osteopontin. Diabetes, 2011, 60, 2424-2433.	0.9	85
71	Pancreatic Î± Cells are Resistant to Metabolic Stress-induced Apoptosis in Type 2 Diabetes. EBioMedicine, 2015, 2, 378-385.	6.0	83
72	A Technique for Retroperitoneal Pancreas Transplantation with Portal-Enteric Drainage. Transplantation, 2005, 79, 1137-1142.	1.1	82

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73	The metabolic effects of cyclosporin and tacrolimus. Journal of Endocrinological Investigation, 2000, 23, 482-490.	3.4	81
74	The effects of kisspeptin on Î²â€cell function, serum metabolites and appetite in humans. Diabetes, Obesity and Metabolism, 2018, 20, 2800-2810.	4.5	80
75	Altered Insulin Receptor Signalling and Î²-Cell Cycle Dynamics in Type 2 Diabetes Mellitus. PLoS ONE, 2011, 6, e28050.	2.5	79
76	Islet infiltration, cytokine expression and beta cell death in the NOD mouse, BB rat, Komeda rat, LEW.1AR1-iddm rat and humans with type 1 diabetes. Diabetologia, 2014, 57, 512-521.	6.5	78
77	Increased O â€glycosylation of insulin signaling proteins results in their impaired activation and enhanced susceptibility to apoptosis in pancreatic Î²â€cells. FASEB Journal, 2004, 18, 959-961.	0.5	77
78	Microarray analysis of isolated human islet transcriptome in type 2 diabetes and the role of the ubiquitinâ€“proteasome system in pancreatic beta cell dysfunction. Molecular and Cellular Endocrinology, 2013, 367, 1-10.	3.3	77
79	Persistent or Transient Human Î² Cell Dysfunction Induced by Metabolic Stress: Specific Signatures and Shared Gene Expression with Type 2 Diabetes. Cell Reports, 2020, 33, 108466.	6.3	77
80	Laparoscopic Robot-Assisted Pancreas Transplantation. Transplantation, 2012, 93, 201-206.	1.1	76
81	Phosphoproteomics Reveals the GSK3-PDX1 Axis as a Key Pathogenic Signaling Node in Diabetic Islets. Cell Metabolism, 2019, 29, 1422-1432.e3.	15.8	75
82	Pharmacokinetic-Pharmacodynamic Relationships of Oral Hypoglycaemic Agents. Clinical Pharmacokinetics, 1989, 16, 100-128.	3.6	74
83	PANCREAS PRESERVATION WITH UNIVERSITY OF WISCONSIN AND CELSIOR SOLUTIONS: A SINGLE-CENTER, PROSPECTIVE, RANDOMIZED PILOT STUDY. Transplantation, 2004, 77, 1186-1190.	1.1	73
84	Nova1 is a master regulator of alternative splicing in pancreatic beta cells. Nucleic Acids Research, 2014, 42, 11818-11830.	14.0	72
85	Dipeptidyl peptidase 4 (DPP-4) is expressed in mouse and human islets and its activity is decreased in human islets from individuals with type 2 diabetes. Diabetologia, 2014, 57, 1876-1883.	6.5	72
86	Effects of prolonged in vitro exposure to sulphonylureas on the function and survival of human islets. Journal of Diabetes and Its Complications, 2005, 19, 60-64.	2.4	71
87	Insulin Autoimmune Syndrome (Hirata Disease): A Comprehensive Review Fifty Years After Its First Description . Diabetes, Metabolic Syndrome and Obesity: Targets and Therapy, 2020, Volume 13, 963-978.	2.4	71
88	miRNA-223 at the crossroads of inflammation and cancer. Cancer Letters, 2019, 451, 136-141.	7.3	70
89	Pancreatic Beta Cell Identity in Humans and the Role of Type 2 Diabetes. Frontiers in Cell and Developmental Biology, 2017, 5, 55.	3.8	69
90	ÃŸâ€cell function and antiâ€diabetic pharmacotherapy. Diabetes/Metabolism Research and Reviews, 2007, 23, 518-527.	4.2	68

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91	Incretin-Modulated Beta Cell Energetics in Intact Islets of Langerhans. Molecular Endocrinology, 2014, 28, 860-871.	3.4	67
92	Modeling human pancreatic beta cell dedifferentiation. Molecular Metabolism, 2018, 10, 74-86.	6.6	67
93	Activation of the Hexosamine Pathway Leads to Phosphorylation of Insulin Receptor Substrate-1 on Ser307 and Ser612 and Impairs the Phosphatidylinositol 3-Kinase/Akt/Mammalian Target of Rapamycin Insulin Biosynthetic Pathway in RIN Pancreatic Î²-Cells. Endocrinology, 2004, 145, 2845-2857.	2.8	64
94	Decreased STARD10 Expression Is Associated with Defective Insulin Secretion in Humans and Mice. American Journal of Human Genetics, 2017, 100, 238-256.	6.1	63
95	Atorvastatin but Not Pravastatin Impairs Mitochondrial Function in Human Pancreatic Islets and Rat Î²-Cells. Direct Effect of Oxidative Stress. Scientific Reports, 2017, 7, 11863.	3.4	63
96	YIPF5 mutations cause neonatal diabetes and microcephaly through endoplasmic reticulum stress. Journal of Clinical Investigation, 2020, 130, 6338-6353.	8.2	63
97	AUTOMATED LARGE-SCALE ISOLATION, IN VITRO FUNCTION AND XENOTRANSPLANTATION OF PORCINE ISLETS OF LANGERHANS. Transplantation, 1991, 52, 209-213.	1.1	62
98	A circular RNA generated from an intron of the insulin gene controls insulin secretion. Nature Communications, 2020, 11, 5611.	13.2	61
99	Surgical techniques for pancreas transplantation. Current Opinion in Organ Transplantation, 2010, 15, 102-111.	1.6	60
100	Exendin-4 protects pancreatic beta cells from palmitate-induced apoptosis by interfering with GPR40 and the MKK4/7 stress kinase signalling pathway. Diabetologia, 2013, 56, 2456-2466.	6.5	60
101	Modified MuDPIT Separation Identified 4488 Proteins in a System-wide Analysis of Quiescence in Yeast. Journal of Proteome Research, 2013, 12, 2177-2184.	3.8	60
102	Expression and functional assessment of candidate type 2 diabetes susceptibility genes identify four new genes contributing to human insulin secretion. Molecular Metabolism, 2017, 6, 459-470.	6.6	60
103	Inflammation-Induced Citrullinated Glucose-Regulated Protein 78 Elicits Immune Responses in Human Type 1 Diabetes. Diabetes, 2018, 67, 2337-2348.	0.9	60
104	Neuron-enriched RNA-binding Proteins Regulate Pancreatic Beta Cell Function and Survival. Journal of Biological Chemistry, 2017, 292, 3466-3480.	3.5	59
105	The biguanide compound metformin prevents desensitization of human pancreatic islets induced by high glucose. European Journal of Pharmacology, 1999, 364, 205-209.	3.6	58
106	A simplified technique for the en bloc procurement of abdominal organs that is suitable for pancreas and small-bowel transplantation. Surgery, 2004, 135, 629-641.	2.0	58
107	TheTRIB3Q84R Polymorphism and Risk of Early-Onset Type 2 Diabetes. Journal of Clinical Endocrinology and Metabolism, 2009, 94, 190-196.	3.6	58
108	Thrombospondin 1 protects pancreatic Î²-cells from lipotoxicity via the PERKâ€“NRF2 pathway. Cell Death and Differentiation, 2016, 23, 1995-2006.	11.3	58

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109	Virus-like infection induces human Î² cell dedifferentiation. JCI Insight, 2018, 3, .	5.0	57
110	Exendin-4 Prevents c-Jun N-Terminal Protein Kinase Activation by Tumor Necrosis Factor-Î± (TNFÎ±) and Inhibits TNFÎ±-Induced Apoptosis in Insulin-Secreting Cells. Endocrinology, 2010, 151, 2019-2029.	2.8	56
111	The Transcription Factor C/EBP delta Has Anti-Apoptotic and Anti-Inflammatory Roles in Pancreatic Beta Cells. PLoS ONE, 2012, 7, e31062.	2.5	55
112	Glucocorticoids Reprogram Î²-Cell Signaling to Preserve Insulin Secretion. Diabetes, 2018, 67, 278-290.	0.9	55
113	TIGER: The gene expression regulatory variation landscape of human pancreatic islets. Cell Reports, 2021, 37, 109807.	6.3	55
114	Pulsatile Insulin Secretion from Isolated Human Pancreatic Islets. Diabetes, 1994, 43, 827-830.	0.9	54
115	Massive Isolation, Morphological and Functional Characterization, and Xenotransplantation of Bovine Pancreatic Islets. Diabetes, 1995, 44, 375-381.	0.9	54
116	Goals of Treatment for Type 2 Diabetes. Diabetes Care, 2009, 32, S178-S183.	9.1	54
117	The Î²-Cell in Human Type 2 Diabetes. Advances in Experimental Medicine and Biology, 2010, 654, 501-514.	0.0	54
118	LRH-1 agonism favours an immune-islet dialogue which protects against diabetes mellitus. Nature Communications, 2018, 9, 1488.	13.2	53
119	DPP-4 is expressed in human pancreatic beta cells and its direct inhibition improves beta cell function and survival in type 2 diabetes. Molecular and Cellular Endocrinology, 2018, 473, 186-193.	3.3	53
120	IFN-Î± induces a preferential long-lasting expression of MHC class I in human pancreatic beta cells. Diabetologia, 2018, 61, 636-640.	6.5	53
121	The diabetes-linked transcription factor Pax4 is expressed in human pancreatic islets and is activated by mitogens and GLP-1. Human Molecular Genetics, 2007, 17, 478-489.	3.0	52
122	Enhanced Signaling Downstream of Ribonucleic Acid-Activated Protein Kinase-Like Endoplasmic Reticulum Kinase Potentiates Lipotoxic Endoplasmic Reticulum Stress in Human Islets. Journal of Clinical Endocrinology and Metabolism, 2010, 95, 1442-1449.	3.6	52
123	First World Consensus Conference on pancreas transplantation: Part II â€“ recommendations. American Journal of Transplantation, 2021, 21, 17-59.	4.9	52
124	The pancreatic beta-cell in human Type 2 diabetes. Nutrition, Metabolism and Cardiovascular Diseases, 2006, 16, S3-S6.	2.7	51
125	The Pancreatic Î² Cells in Human Type 2 Diabetes. Advances in Experimental Medicine and Biology, 2013, 771, 288-309.	0.0	51
126	Phenotypic spectrum of MFN2 mutations in the Spanish population. Journal of Medical Genetics, 2010, 47, 249-256.	3.6	50

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127	Th2 Cytokines Have a Partial, Direct Protective Effect on the Function and Survival of Isolated Human Islets Exposed to Combined Proinflammatory and Th1 Cytokines. Journal of Clinical Endocrinology and Metabolism, 2001, 86, 4974-4978.	3.6	49
128	IL-17A increases the expression of proinflammatory chemokines in human pancreatic islets. Diabetologia, 2014, 57, 502-511.	6.5	48
129	Mast cells infiltrate pancreatic islets in human type 1 diabetes. Diabetologia, 2015, 58, 2554-2562.	6.5	48
130	Ultrastructural alterations of pancreatic beta cells in human diabetes mellitus. Diabetes/Metabolism Research and Reviews, 2017, 33, e2894.	4.2	48
131	Type 2 Diabetes Susceptibility Gene Expression in Normal or Diabetic Sorted Human Alpha and Beta Cells: Correlations with Age or BMI of Islet Donors. PLoS ONE, 2010, 5, e11053.	2.5	48
132	Follow-up of secondary diabetic complications after pancreas transplantation. Current Opinion in Organ Transplantation, 2013, 18, 102-110.	1.6	47
133	Sorcin Links Pancreatic Î²-Cell Lipotoxicity to ER Ca2+ Stores. Diabetes, 2016, 65, 1009-1021.	0.9	47
134	The T1D-associated lncRNA Lnc13 modulates human pancreatic Î² cell inflammation by allele-specific stabilization of STAT1 mRNA. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 9022-9031.	7.6	47
135	SRp55 Regulates a Splicing Network That Controls Human Pancreatic Î²-Cell Function and Survival. Diabetes, 2018, 67, 423-436.	0.9	46
136	Long-Term (5 Years) Efficacy and Safety of Pancreas Transplantation Alone in Type 1 Diabetic Patients. Transplantation, 2012, 93, 842-846.	1.1	45
137	Ubiquitin D Regulates IRE1Î±/c-Jun N-terminal Kinase (JNK) Protein-dependent Apoptosis in Pancreatic Beta Cells. Journal of Biological Chemistry, 2016, 291, 12040-12056.	3.5	45
138	Protective effects of St. John's wort extract and its component hyperforin against cytokine-induced cytotoxicity in a pancreatic Î²-cell line. International Journal of Biochemistry and Cell Biology, 2008, 40, 1509-1521.	2.9	44
139	MiRâ€184 expression is regulated by AMPK in pancreatic islets. FASEB Journal, 2018, 32, 2587-2600.	0.5	44
140	Islet inflammation in type 2 diabetes. Diabetologia, 2016, 59, 668-672.	6.5	42
141	Pancreatic Î²-cell protection from inflammatory stress by the endoplasmic reticulum proteins thrombospondin 1 and mesencephalic astrocyte-derived neutrotrophic factor (MANF). Journal of Biological Chemistry, 2017, 292, 14977-14988.	3.5	42
142	The p66Shc redox adaptor protein is induced by saturated fatty acids and mediates lipotoxicity-induced apoptosis in pancreatic beta cells. Diabetologia, 2015, 58, 1260-1271.	6.5	41
143	A nanobody-based tracer targeting DPP6 for non-invasive imaging of human pancreatic endocrine cells. Scientific Reports, 2017, 7, 15130.	3.4	41
144	A Targeted RNAi Screen Identifies Endocytic Trafficking Factors That Control GLP-1 Receptor Signaling in Pancreatic Î²-Cells. Diabetes, 2018, 67, 385-399.	0.9	41

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145	The expression of genes in top obesity-associated loci is enriched in insula and substantia nigra brain regions involved in addiction and reward. International Journal of Obesity, 2020, 44, 539-543.	3.5	41
146	ENPP1 Affects Insulin Action and Secretion: Evidences from In Vitro Studies. PLoS ONE, 2011, 6, e19462.	2.5	41
147	Pancreas transplant alone determines early improvement of cardiovascular risk factors and cardiac function in type 1 diabetic patients1. Transplantation, 2003, 76, 974-976.	1.1	40
148	Combined transcriptome and proteome profiling of the pancreatic Î²-cell response to palmitate unveils key pathways of Î²-cell lipotoxicity. BMC Genomics, 2020, 21, 590.	2.9	40
149	Exenatide induces frataxin expression and improves mitochondrial function in Friedreich ataxia. JCI Insight, 2020, 5, .	5.0	40
150	Ultrastructural morphometric analysis of insulin secretory granules in human type 2 diabetes. Acta Diabetologica, 2012, 49, 247-252.	2.6	39
151	Defects in mitophagy promote redoxâ€driven metabolic syndrome in the absence of <scp>TP</scp> 53 <scp>INP</scp> 1. EMBO Molecular Medicine, 2015, 7, 802-818.	7.3	39
152	The liver receptor homolog-1 (LRH-1) is expressed in human islets and protects Î²-cells against stress-induced apoptosis. Human Molecular Genetics, 2011, 20, 2823-2833.	3.0	38
153	The type 2 diabetes-associated HMG20A gene is mandatory for islet beta cell functional maturity. Cell Death and Disease, 2018, 9, 279.	6.4	38
154	MondoA Is an Essential Glucose-Responsive Transcription Factor in Human Pancreatic Î²-Cells. Diabetes, 2018, 67, 461-472.	0.9	38
155	Protective role of the ELOVL2/docosahexaenoic acid axis in glucolipotoxicity-induced apoptosis in rodent beta cells and human islets. Diabetologia, 2018, 61, 1780-1793.	6.5	36
156	Glucolipotoxicity initiates pancreatic Î²-cell death through TNFR5/CD40-mediated STAT1 and NF-ÎºB activation. Cell Death and Disease, 2016, 7, e2329-e2329.	6.4	35
157	Long-Term Safety and Efficacy of Bempedoic Acid in Patients With Atherosclerotic Cardiovascular Disease and/or Heterozygous Familial Hypercholesterolemia (from the CLEAR Harmony Open-Label) Tj ETQq1 1 0.784314 rgBT /Overlock	8.4	35
158	Improvement With Metformin in Insulin Internalizaron and Processing in Monocytes From NIDDM Patients. Diabetes, 1990, 39, 844-849.	0.9	34
159	Pharmacokinetic Optimisation of Oral Hypoglycaemic Therapy. Clinical Pharmacokinetics, 1991, 21, 308-317.	3.6	34
160	A Combined â€œOmicsâ€•Approach Identifies N-Myc Interactor as a Novel Cytokine-induced Regulator of IRE1Î± Protein and c-Jun N-terminal Kinase in Pancreatic Beta Cells. Journal of Biological Chemistry, 2014, 289, 20677-20693.	3.5	34
161	Effects of Acute or Prolonged Exposure to Human Leptin on Isolated Human Islet Function. Biochemical and Biophysical Research Communications, 1999, 256, 637-641.	2.2	33
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